TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

CICM

EIT 1104: INTRODUCTION TO ICT

SPECIAL/ SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2HOURS

DATE: Sep 2018

Instructions to Candidates
You should have the following for this examination
-Answer Booklet, examination pass and student ID
This paper consists of **FIVE** questions. Attemptquestion ONE (Compulsory) and any other TWO questions.
Do not write on the question paper.

Question ONE

a) Define computer software   [2marks]

b) Explain the following types of computer software   [4marks]

   i) System software

   ii) Application software

c) Give four benefits of computers to the society   [4marks]

d) Explain how computers can be applied in the following areas   [10marks]

   i.   Hospitals

   ii.   Educational institutions

   iii.   Military

   iv.   Banks

   v.   Manufacturing companies

Question TWO

a) Explain the following components of CPU   [6marks]

      i.   Control unit

     ii.   Arithmetic logic unit

    iii.   Memory unit

b) Give four types of computer hardware   [4marks]

c) Explain computer safety and ergonomic   [2marks]

d) State four measures for safety and ergonomics in the use of computers   [8marks]

Question THREE

a) Give four computer threats and countermeasure to encounter the threats   [8marks]

b) State the difference between system software and application software   [4marks]

c) State the components of computer system   [4marks]

d) Give four disadvantages of computers   [4marks]

Question FOUR

a) Differentiate between computer hardware and computer software   [4marks]

b) Explain the following types of memory   [6marks]

      i.   Primary memory

     ii.   Secondary memory

    iii.   Cache memory

c) Explain the computer generations stating major changes in technology used   [10marks]

Question FIVE

a) Define utility   [2marks]

b) Explain four health issues in the use of computer for long   [8marks]

c) Explain five types of computer security   [10marks]